## Overview On-Demand

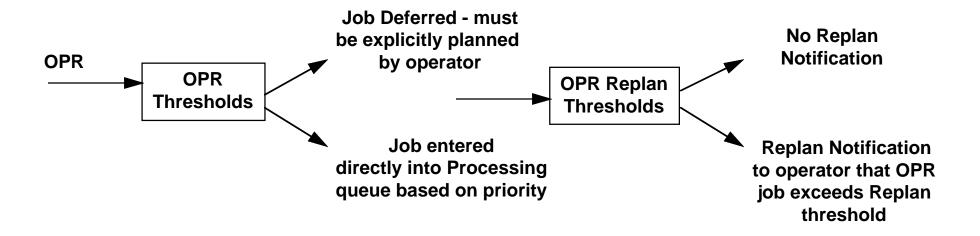
This scenario provides a view of how ondemand processes are either passed through to Data Processing, generate a request for a replan, or are held for a future planning activity.

### **On-Demand**

#### Context:

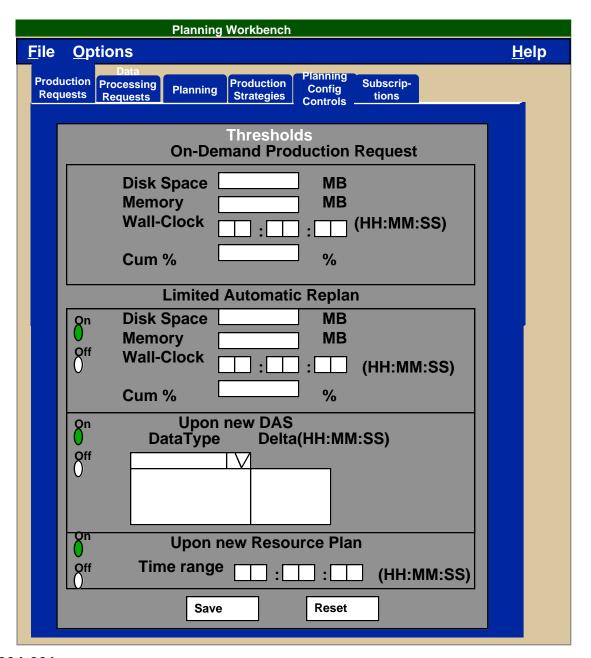
- Planner sets on-demand thresholds
- on-demand process is received, under threshold, passes
- on-demand process is received, is above threshold, limited automatic replan request
- on-demand process is received, is above threshold, held for future planning activity.
- Receive new PDAS Limited Auto Replan against it
- Create Target Date Report

### **On-demand Thresholds**



# Summary Of Planning Configuration Controls GUI

- Allows Production Planner to set thresholds for On-demand Processing Requests.
- Allows Production Planner to set thresholds for Limited Automatic Replan based on Ondemand Production Requests.



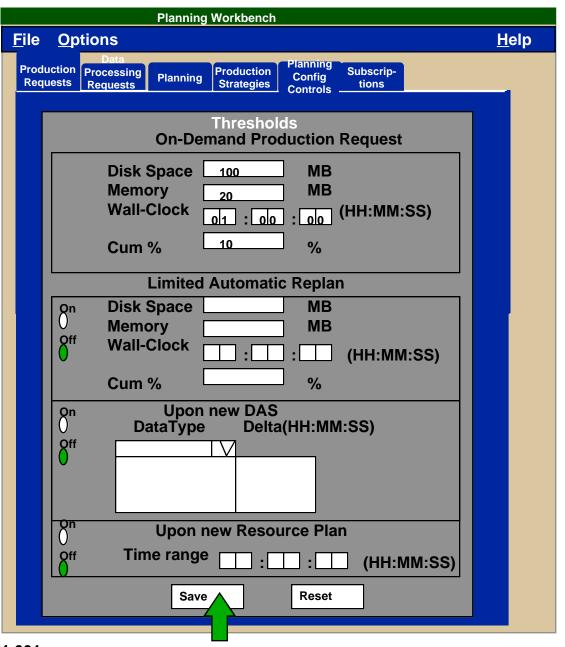
#### **On-Demand Table of Events**

Script 1: This script highlights the GUI used to create Thresholds for On-Demand Processes

#### Preconditions:

1. The Production Planner has logged onto GSFC DAAC Desktop. Identification validated.

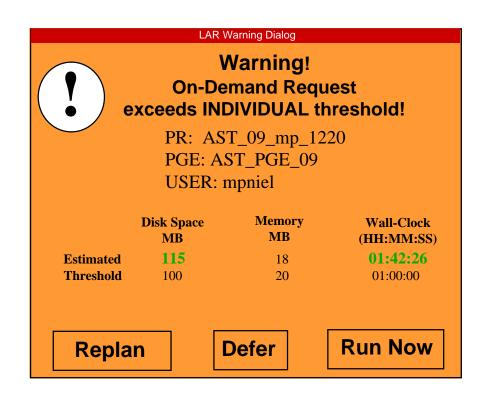
STEP #	TIME	PLAYER	ACTIVITY	GUI		
1	0900	Production Planner	Brings up Planning Workbench.	Planning Workbench Main		
2	0910	Production Planner	Selects Tab widget for Planning Configuration Controls	Planning Workbench -Planning Configuration Controls		
3	0915	Production Planner	Sets on-demand thresholds	Planning Workbench - Planning Configuration Controls		
4	0921	Production Planner	Saves new thresholds	Planning Workbench - Planning Configuration Controls		



## Results of On-Demand Thresholds

#### **On-Demand Production Requests**

Disk Space (MB)	Memory(M B)	wall-clock	Status	Cum%
				7%
80	12	00:55:00	passes	9%
110	6	00:10:00	fails - disk space- defer	9%
75	15	00:30:00	passes	10%
20	10	00:15:00	fails - cum% - defer	

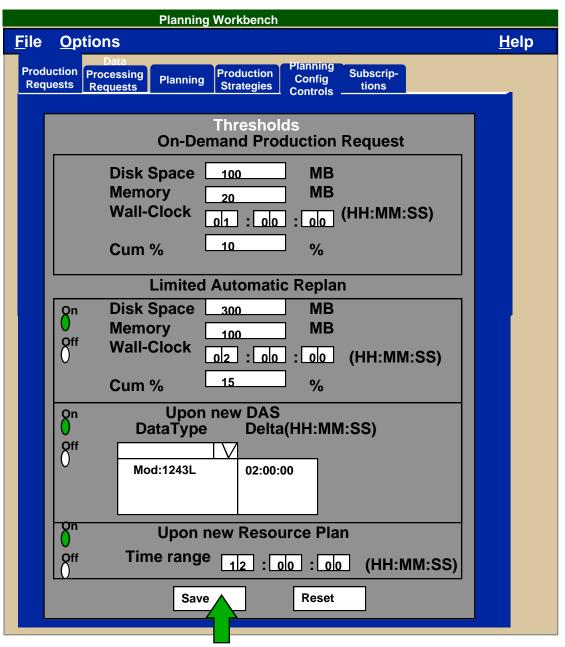


Script 2: This script highlights the GUI used to create Thresholds for Limited Automatic Replans

#### <u>Preconditions</u>:

1. The Production Planner has logged onto GSFC DAAC Desktop. Identification validated.

STEP #	TIME	PLAYER	ACTIVITY	GUI	
1	0900	Production Planner	Brings up Planning Workbench.	Planning Workbench Main	
2	0901	Production Planner	Selects Tab widget for Planning Configuration Controls	Planning Workbench -Planning Configuration Controls	
3	0910	Production Planner	Sets Limited Automatic Replan thresholds	Planning Workbench - Planning Configuration Controls	
4	0911	Production Planner	Sets Thresholds to "on"	Planning Workbench - Planning Configuration Controls	
5	0912	Production Planner	Saves Thresholds	Planning Workbench - Planning Configuration Controls	



# Results of Limited Automatic Replan Thresholds

#### **Limited Automatic Replan Thresholds**

Disk Space (MB)	Memory(MB)	Wall-clock	OPR Cum%	LAR Cum%	OPR Status	New OPR Cum%	New LAR Cum%
				7%		7%	7%
80	12	00:55:00	7%	7%	passes	9%	9%
110	6	00:10:00	9%	9%	fails - disk space- defer	9%	9.1%
75	15	00:30:00	9%		passes	10%	10.1%
20	10	00:45:00	10%		fails - cum% - defer	10%	10.8%
310	20	00:50:00	10%	10.8%	fails - Cum % - defer, LAR - Disk Space	10%	10.8%
200	50	00:01:55	10%	10.8%	fails - cum %	10%	12.8%
210	40	00:01:59	10%	12.8%	Fails -cum %	10%	14.8%
100	20	01:00:00	10%	14.8%	Fails - Cum%, LAR - CUM %	10%	16.8%

